AX-6800 Gravity Flowmeter

Features:

- Direct Measurement Of Mass Flow And Mass Consumed
- High Accuracy Flow Measurements Over A Wide Meansurement Range
- Overflow And Low Liquid Level Warning Functions
- IEEE-488 Computer Interface Option Available
- No Need For Temperature Or Specific Gravity Compensation
- Variety of preprogrammed measurement functions including:
  Instantaneous Flow, Integrated Flow, And Interval Averaged Flow

Description:

The AX-6800 Digital Flow Meter may be combined with any of the GB Series Flow Detectors to enable measurement and display of liquid mass flow.

Measurement data includes instantaneous flow, integrated flow, interval averaged flow (over set time intervals), and, using an engine rpm signal, it is possible to measure fuel consumed for each engine stroke.

A remote box is provided for controlling test start & stop and printout of measurement results.

Additionally, a IEEE-488 interface is available as an option (IEEE-488 option installed).

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Specification:

- Instantaneous Flow Display:
  2 Row 20 Characters LCM

- Instantaneous Flow Units:
  g, ml, s, min, REV

- Instantaneous Flow Sampling Time:
  1 ~ 10 Sec. (settable in 1 Sec. increments)

- Interval Averaging Section Units:
  g/s, g/min, k/h, ml/min, l/h, gal/h, mg/st, mm^3/st, rpm

- Instantaneous Flow Measurement:
  Measurement & display of flow rate & engine rpm at set gate time intervals

- Integrated Flow Measurememt:
  - Manual Start/Stop
    Integrated flow measured from start to stop (signals applied by panel switches or external device)
  - Flow Set Cotrol
    After start, integration performed until a set flow rate is achieved
  - Time Set Control
    After start, integration performed until set time elasped

- Parameter Setting
  Specific gravity, integration autostop (time or flow), number of P/R from rpm detector, number of cycles, number of cylinders, analog output range

- Alarm Function
  lamp, and contact output when overflow or low level condition detected

- Analog Output
  ± 5V with respect to the detector measurement range
  - Total Accuracy: ± 0.2% of full scale
  - Linearity: ± 0.05% of full scale

- Power Requirements
  110 or 220 VAC, approximately 100 VA

- Operating Temperature: 0 to 40°C

- Outer Dimensions
  Approx. 196 × 85 × 270 mm

- Weight: Approx. 4 Kg